N.M. Oll Cons. Division

rom 3100-3	United Stat	es 4 po	5 N. Frer	och Dr	For	m Approved	
(August 1999)	Department of the	Interior	S 14. 1101			No. 1004-0135	
R	Department of the ureau Of Land Ma	Hot	bbs. NM	88240	5. Lease Serial No.	lovember 30, 2000	
				,	NMNM25513		
	y Notices And Re				6. If Indian, Allotte	a an Tuiba Nama	
	se this form for proposals to I well. Use form 3160-3 (A				o. ii iiidiaii, Aliotte	e of Tribe Name	
Additioned	i well. Ose form 3100-3 (A	(PD) for su	ien proposais.		7. If Unit or CA/Ag	reament Name o	nd/or No
					7. If Officer CATAS	recinent, Name a	IIU/OI INO.
SUBMIT IN TRIPLICATE - Othe	r Instructions On rev	erse side	·		8. Well Name and I	No.	·····
1. Type of Well:							
	☐ Other				PE-JE-AN #1		
2. Name of Operator					9. API Well No.		
Pecos Production Company					30-025- 0295600S2	29596	
3. Address of Operator	3b. Phone	No. (Incl	lude area code)		10. Field and Pool,		rea
400 W. Illinois, Ste 1070 Midland,			5) 620-8480		Querecho Plains		
4. Location of Well (Footage, Sec., T.,					11. County or Paris	h, State	
	•	• '					
Sec 26, T-18-S, R-32-E				 	Lea Co, NM	*****	
	Appropriate Box to	Indicat			· ^	a	
Type Of Submission			Ту	pe Of Ac	tion		
	☐ Acidize	☐ Dec	epen	Produ	ction (Start/Resume)	☐ Water Shut-0	Off
	П ж ио	∏ Ero	cture Treat	Recla	mation	☐ Well Integrity	,
1	☐ Alter Casing	Fla	vuit iitut				
	_			Recor	nniete	Other	
	☐ Casing Repair	☐ Nev	w Construction	Recor	•	Other —	f \Mater
· '	☐ Casing Repair ☐ Change Plans	☐ Nev	w Construction g and Abandon	☐ Temp	orarily Abandon	Other ————————————————————————————————————	f Water
· '	☐ Casing Repair	☐ Nev	w Construction g and Abandon	☐ Temp	•		f Water
· '	Casing Repair Change Plans Convert to Injection tions. (clearly state all perticulate horizontally, give subsee performed or provide the ons. If the operation results then Notices shall be filed on	☐ Nev ☐ Plu ☐ Plu ☐ inent detail ☐ urface loca ☐ Bond No. ☐ in a multi	w Construction g and Abandon g Back Is, starting date of ations and measure on file with BLM ple completion or	☐ Temp ☐ Water any proposed and true v /BIA. Requirecompletio	corarily Abandon Disposal d work and approximate ertical depths of all pertical depths of all pertical subsequent reports son in a new interval, a Formation of the corarily area.	Disposal of duration thereof. I nent markers and zo hall be filed within mm 3160-4 shall be	f the ones. 30 days filed once
Final Abandonment Notice 13. Describe proposed or completed operar proposal is to deepen directionally or recomp Attach the Bond under which the work will b following completion of the involved operatitesting has been completed. Final Abandonm determined that the site is ready for final inspection.	Casing Repair Change Plans Convert to Injection tions. (clearly state all perticlete horizontally, give subsee performed or provide the ons. If the operation results then Notices shall be filed operation.)	Nev Plu Plu Plu inent detail nurface loca Bond No. s in a multi only after re	w Construction g and Abandon g Back Is, starting date of ations and measure on file with BLM/ piple completion or equirements, include	Temp Water any proposed and true v BIA. Requirecompletio	corarily Abandon Disposal d work and approximate ertical depths of all pertical depths of all pertical subsequent reports son in a new interval, a For ation, have been complete	Disposal of duration thereof. I nent markers and zo hall be filed within mm 3160-4 shall be ed, and the operator	f the ones. 30 days filed once r has
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Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, Make it a crime for any person knowingly and willfully to make to any department or agency of the United State any flase, fictitous or fraudulent statements or representations as to any matter within its jurisdiction.

Title

Office

Date



Approved by
Conditions of approval, if any, are attached. Approval of this notice does not warrant or

Certify that the applicant holds legal or equitable title to those rights in the subject lease

Whick would entitle the applicant to conduct operations thereon.



Sample Point:

HEATER

South Permian Basin Region 10520 West I-20 East Odessa, TX 79765 (915) 498-9191 Lab Team Leader - Shella Hernandez (915) 495-7240

Water Analysis Report by Baker Petrolite

Company:	PECOS PRODUCTION	Sales RDT:	33102
Region:	PERMIAN BASIN	Account Manager:	MIKE EDWARDS (505) 910-9517
Area:	EUNICE, NM	Sample #:	303312
Lease/Platform:	PE-JE-AN	Analysis ID #:	34415
Entity (or well #):	FED 1	Analysis Cost:	\$40.00
Formation:	UNKNOWN		A THE PARTY OF THE

Summary		Analysis of Sample 303312 @ 75 °F							
Sampling Date: 5/	16/03 Anions	mg/l	meq/l	Cations	mg/l	meq/i			
Analysis Date: 5/2 Analysi: ANNA McELA	22/03 Chloride:	167669.0	4729.33	Sodium:	60177.1	2617.66			
	Bicarbonate: Cerbonate:	122.0 0.0	2. (0.	Magnesium: Calcium:	3990.0 35274.0	328.23 1760.18			
	Sulfate: Phosphate:	0.008	16.68	Strontium: Barium:	682.0 1.0	16.57 0.01			
Anion/Cation Ratio:	Borate:			Iron:	12.0	0.43			
	Silicate:			Potassium: Aluminum:	1017.0	26.01			
Carbon Dioxide: 120 PF	M Hydrogen Sulfic	de:	0 PPM	Chromium:					
Oxygen: Comments:	pH at time of sa	t time of sampling:		Copper: Lead:					
COMMONIA.	pH at time of ar	•		Manganese:					
	pH used in Ca	iculation:	6.5	Nickel:					

Cond	onditions Values Calculated at the Given Conditions - Amounts of Scale in lb/1000 bbl											
Temp Pr	Gauge Press. psi	Calcite CaCO ₃		Gypsum CaSO42H ₂ 0		Anhydrite CaSO ₄		Celestite SrSO ₄		Barite BaSO ₄		CO ₂ Press
		Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	psi
80	0	0.76	8.67	0.22	167.62	0.27	154.35	0.06	29.25	0.30	0.27	0.16
100	0	0.83	9.75	0.15	121.31	0.26	151.10	0.04	20.58	0.11	0.00	0.2
120	0	0.89	10.83	0.09	77.45	0.28	159.49	0.04	19.50	-0.05	0.00	0.23
140	0	0.95	11.91	0.04	38.18	0.33	176.55	0.05	24.37	-0.18	0.00	0.27

Note 1: When assessing the severity of the scale problem, both the saturation index (SI) and amount of scale must be considered.

Note 2: Precipitation of each scale is considered separately. Total scale will be less than the sum of the amounts of the five scales.

Note 3: The reported CO2 pressure is actually the calculated CO2 fugacity. It is usually nearly the same as the CO2 partial pressure.

FL Hobbs OCD

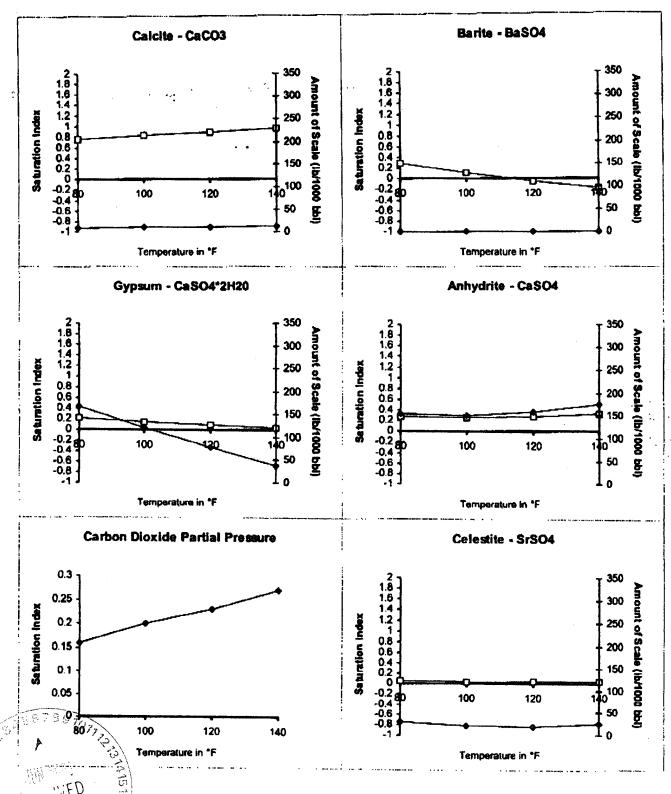
PRODUCT WARRANTY, DISCLAIMER AND LIMITATION OF LIABILITY ARE FOUND ON THE BACK OF THIS SHEET



Hopps

Scale Predictions from Baker Petrolite

Analysis of Sample 303312 @ 75 °F for PECOS PRODUCTION, 5/22/03



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